

# HIMANGSHU CHOWDHURY

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Location: Jaipur, Rajasthan



## EDUCATION

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**Bachelor of Technology, Computer Science & Engineering** 2020-2024  
University of Engineering and Management (UEM), Jaipur | Jaipur, Rajasthan

**Higher Secondary Education, Science** 2020  
Katwa Bharati Bhaban (WBCHSE) | Purba Bardhaman, West Bengali

**Secondary Education** 2018  
Okersa High School (WBBSE) | Purba Bardhaman, West Bengali

## PROJECTS

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**Brain Tumor Classification Using CNN and Vision Transformer (ViT)** | Machine Learning, Python December 2023

- The primary objective of this project is to develop a robust brain tumor classification system leveraging both **CNNs** and **ViTs** to enhance classification accuracy and efficiency in computer vision tasks.
- Briefly introduce the importance of selecting an appropriate **ViT model** for brain tumor classification and the significance of comparing **different ViT architectures** in this context.
- Based on the results and analysis, identify the best-performing ViT model for brain tumor classification, considering both classification accuracy and computational efficiency.

**Retinal Disease Classification and Analysis** | Machine Learning, Python June 2023

- Developed a **convolutional neural network (CNN)** architecture achieving an impressive accuracy rate of **98%** in retinal disease classification.
- Processed and utilized a dataset comprising over **600** retinal images to train and validate the **machine learning** models.

**SMOTE for Imbalanced Classification with Python** | Machine Learning, Python April 2022

- Created an architecture for the Synthetic Minority Over-sampling Technique (SMOTE) and achieved 91% classification accuracy rate.
- Implement and compare the effectiveness of SMOTE, KNN, and AdaBoost algorithms in addressing class imbalance for a predictive modelling task. Evaluate model performance using F1 score and R2 score metrics.

## EXPERIENCE

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**Codsoft | Data Science Intern | Python | [Link](#)** October 2023

- Conducted in-depth analysis on **5** diverse datasets using **Python**, employing advanced **data analysis** techniques to extract valuable insights.
  - Demonstrated proficiency in utilizing Python libraries such as **pandas**, **numpy**, **matplotlib**, and **scikit-learn**, contributing to a **30%** increase in workflow efficiency.
  - Successfully completed the internship, surpassing accuracy benchmarks in predictive modeling tasks and showcasing strong capabilities in **data science** and machine learning.
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## SKILLS

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**Programming Language:** Python, Java.

**Web Technology:** HTML, CSS, SQL

**Familiar With:**

- **Tools:** Google Colab, Jupyter Notebook
- **Database:** Oracle
- **Data analysis:** Power Bi
- **software design:** UML
- **operating system:** Windows, Ubuntu

**Soft skill:** Quick learner

**Areas of Interest:** Big Data, Data Science, Data Analytics, Machine Learning, App Development

## COURSES

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- Fundamental Algorithms: Design and Analysis (IIT Kharagpur)
- Python for Data Science (IIT Madras)
- Software Testing (IIT Kharagpur)
- Software Conceptual Design (IIT Bombay)
- Google Data Analytics Professional Certificate (Coursera)
- Web Development 101 (Puplfirst)

## Achievement

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**Software Conceptual Design (IIT Bombay) | NPTEL**

- Topper (Top 5%)
- Consolidated Score 86% (Silver+Elite)

## PROFILE LINKS

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- **LinkedIn:** <https://www.linkedin.com/in/himangshu-chowdhury-/>
- **GitHub:** <https://github.com/HimangshuChowdhury>

## DECLARATION

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I am Himangshu Chowdhury hereby declare that all the above mentioned in this resume are true.